

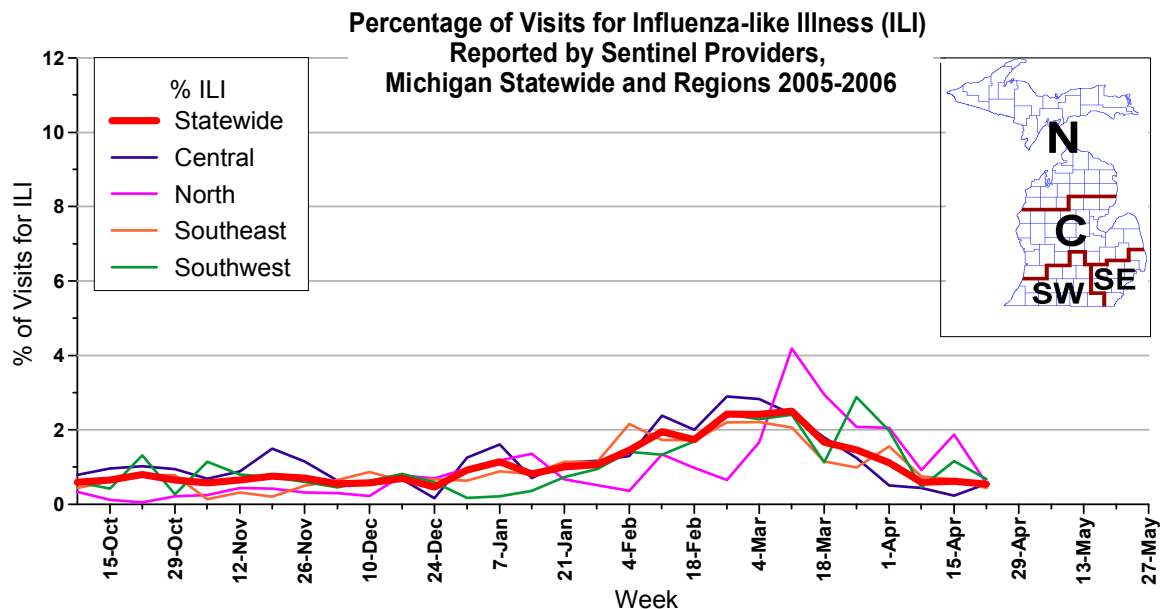
MIFluFocus
April 27, 2006
Weekly Influenza Surveillance

Michigan Disease Surveillance System: Flu-like illness activity for the most recent reporting week, as reported in MDSS, decreased further from the previous week. This level is substantially lower than those seen during the time of peak activity. The current reported flu-like illness activity is now similar to that seen from the same period in 2005.

Emergency Department Surveillance: Emergency department visits due to constitutional and respiratory complaints continue to decline. Compared to the same week last year, both indicators are roughly comparable. Over the past week, no statewide alerts were generated for either emergency department indicator.

Over-the-Counter Product Surveillance: Sales of all flu-related over-the-counter products show a continued decrease in flu-like illness activity. In particular, dramatic decreases continue to be seen in sales of chest rub, adult cold relief, and thermometer sales. All other indicators were roughly stable or slightly decreased. Compared to the same period last year, sales of antifever medication, chest rubs, and thermometers are slightly increased, while the remaining indicators are the same or decreased.

Sentinel Surveillance (as of April 27, 2006): During the week ending April 22, 2006, the proportion of visits due to influenza-like illness (ILI) decreased slightly from last week to 0.5% of all visits. Low levels of ILI activity were reported across the state; the percentage of visits due to ILI by region was 0.5%, Central; 0.6%, North; 0.4%, Southwest; and 0.7%, Southeast.



Laboratory Surveillance (as of April 27, 2006): The MDCH laboratory has confirmed 137 influenza cases in Michigan, of which 131 were influenza A (H3N2) and 6 were influenza B. No additional positives were reported this week and no viral respiratory cultures are currently pending. Several sentinel laboratories are reporting sporadic influenza positives, including a few influenza B's.

Influenza-Associated Pediatric Mortality (as of April 27, 2006): To date, MDCH is reporting one influenza-associated death in region 2S. One other possible report remains under investigation. CDC has received reports of 22 influenza-associated deaths during the current influenza season since October 2, 2005.

****Reminder:** The CDC has asked all states to continue to collect information on any pediatric death associated with influenza infection for the 2005-2006 influenza season. This includes not only death in a child less than 18 years of age resulting from a clinically compatible illness confirmed to be influenza by an appropriate laboratory or rapid diagnostic test, but also unexplained death with evidence of an infectious

process in a child. Refer to www.michigan.gov/documents/fluletter_107562_7.pdf for the complete protocol. It is important to immediately call of fax information to MDCH to ensure that appropriate clinical specimens can be obtained.

Congregate Setting Outbreaks (as of April 27, 2006): No reports were received during the past reporting week. A total of two congregated setting outbreaks have been reported to MDCH this season so far; one in Southwest Michigan in late February and one in Southeast Michigan in late March. Both outbreaks were MDCH laboratory confirmed as due to influenza A (H3N2).

National: Week 15 (April 9 – April 15, 2006), influenza activity continued to decrease in the United States. The proportion of patient visits to sentinel providers for influenza-like illness (ILI) was below the national baseline. The proportion of deaths attributed to pneumonia and influenza was below the baseline level. Five states reported widespread influenza activity; 5 states reported regional influenza activity; 16 states, New York City, and the District of Columbia reported local influenza activity; 23 states reported sporadic influenza activity; and one state reported no activity.

International: (WHO, April 12) Except a few eastern European countries, where influenza activity increased and was reported as widespread during weeks 12–13, overall influenza activity remained moderate to low with an observation of slight decline in most parts of the northern hemisphere.

MDCH reported SPORADIC activity to the CDC for this past week ending 4/27/2006

End of Seasonal Report

Avian Influenza Activity:

WHO Pandemic Phase 3: Human infection(s) with a new subtype, but no human-to-human spread

Table 1. H5N1 influenza-avian (Poultry outbreaks March 31): downloaded 4/27/2006

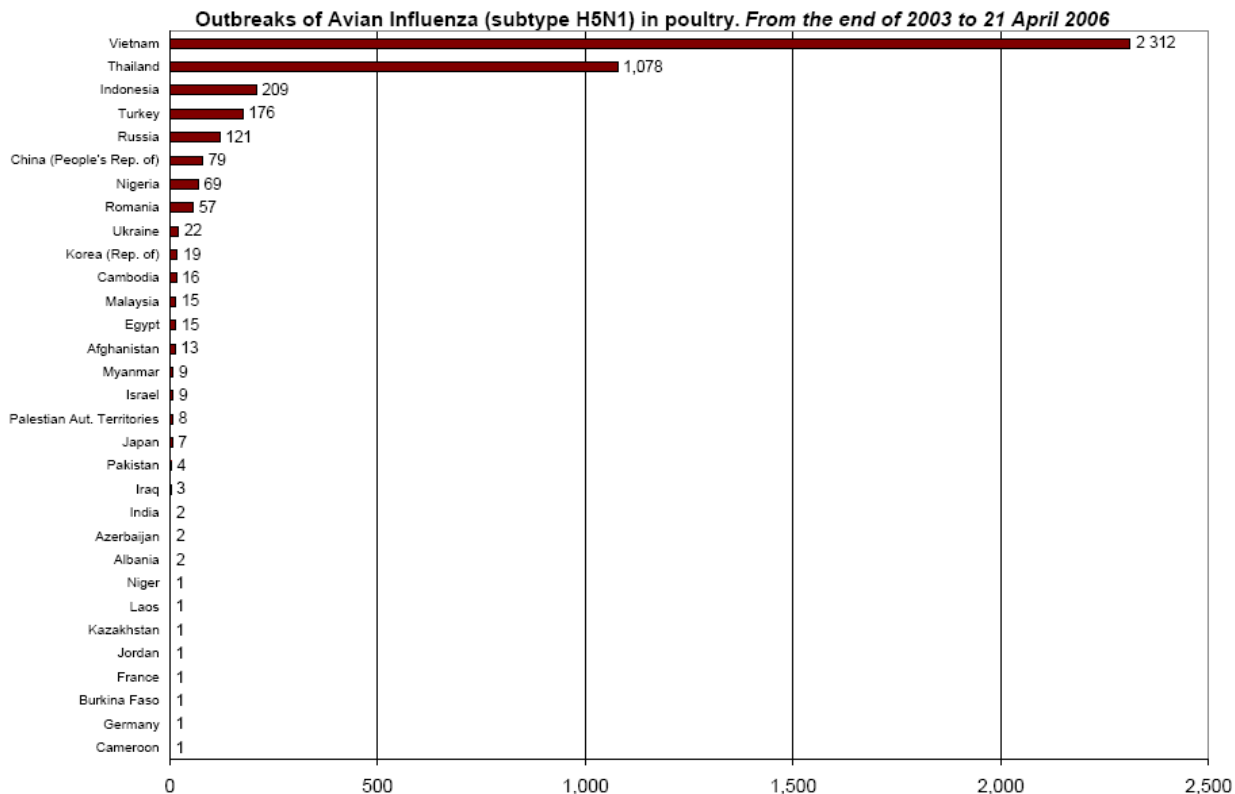


Table 2. H5N1 influenza-human (downloaded 4/27/06
http://www.who.int/csr/disease/avian_influenza/country/cases)

*Total number of cases includes number of deaths. WHO reports only lab-confirmed cases.